NUREG-1805 Draft Agenda

Day 1 - November 22, 2004

NOTE: It is recommended you bring a personal, battery powered laptop computer.

0800 Registration

0830 Welcome/High Level Objectives

Goals of Training

NUREG-1805 and Excel

Chapter 1 - "Introduction" and Discussion

Chapter 2 - "Predicting Hot Gas Layer Temperature and Smoke Layer Height in a Room Fire with Natural and Forced Ventilation" with Examples and Discussion

Break

Chapter 3 - "Estimating Burning Characteristics of Liquid Pool Fire, Heat Release Rate, Burning Duration, and Flame Height" with Examples and Discussion

Chapter 4 - "Estimating Wall Fire Flame Height, Line Fire Flame Height Against the Wall, and Corner Fire Flame Height" with Examples and Discussion

Lunch

Chapter 5 - "Estimating Radiant Heat Flux from Fire to a Target Fuel" with Examples and Discussion

Chapter 6 - "Estimating the Ignition Time of a Target Fuel Exposed to a Constant Radiative Heat Flux" with Examples and Discussion

Chapter 7 - "Estimating the Full-Scale Heat Release Rate of a Cable Tray Fire" with Examples and Discussion

Break

Chapter 8 - "Estimating Burning Duration of Solid Combustibles" with Examples and Discussion

Chapter 9 - "Estimating the Centerline Temperature of a Buoyant Fire Plume" with Examples and Discussion

1630 Adjourn

Day 2 - November 23, 2004

NOTE: It is recommended you bring a personal, battery powered laptop computer.

0800 Registration

0830 Chapter 10 - "Estimating Sprinkler Response Time" with Examples and Discussion

Chapter 11 - "Estimating Smoke Detector Response Time" with Examples and Discussion

Break

Chapter 12 - "Estimating Heat Detector Response Time" with Examples and Discussion

Chapter 13 - "Predicting Compartment Flashover" with Examples and Discussion

Chapter 14 - "Estimating Pressure Rise Attributable to a Fire in a Closed Compartment" with Examples and Discussion

Chapter 15 - "Estimating the Pressure Increase and Explosive Energy Release Associated with Explosions" with Examples and Discussion

Lunch

Chapter 16 - "Calculating the Rate of Hydrogen Gas Generation in Battery Rooms" with Examples and Discussion

Chapter 17 - "Calculating the Fire Resistance of Structural Steel Members" with Examples and Discussion

Chapter 18 - "Estimating Visibility Through Smoke" with Examples and Discussion

Break

Appendices Overview

Problem Solving and Discussion

1630 Adjourn